



COMMONWEALTH of VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CENTRAL LABORATORY
A Nationally Accredited Laboratory

700 NORTH 5TH STREET
RICHMOND, VIRGINIA 23219
(804) 786-6971

CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II
SERIAL NUMBER: 010528
CERTIFICATION DATE: September 12, 2013
DATE RECERTIFICATION DUE: March 11, 2014

The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science. This certification is valid from the above listed certification date until the above listed date for recertification.

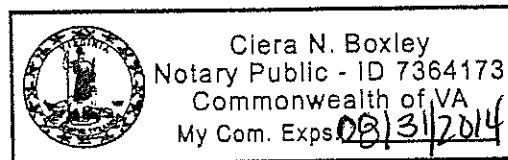
Melissa Kennedy
Program Manager, Calibration & Training

CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 19th day of September 2013 by Melissa Kennedy

Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014



DBH
MSK

**Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
1/1/1990 To 9/13/2013**

Instrument Serial Number: 010528

As of 13-Sep-13

Maintenance	Certification	Technician	
Date	Date	Initials	Remarks
12-Sep-13	12-Sep-13	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE. CALIBRATED AND CERTIFIED. REPLACED DRY GAS STANDARD.
04-Apr-13	04-Apr-13	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.
21-Dec-12	21-Dec-12	SED (24178)	CERTIFIED.
08-Feb-12	08-Feb-12	TLN (25387)	CERTIFIED
18-Aug-11	18-Aug-11	SED (24178)	REPLACED DRY GAS STANDARD, CERTIFIED.
18-Mar-11	18-Mar-11	RJP (22428)	CALIBRATED AND CERTIFIED.
01-Oct-10	01-Oct-10	RJP (22428)	REPLACED DRY GAS STANDARD. CERTIFIED.
08-Apr-10	08-Apr-10	RJP (22428)	REPLACED DRY GAS STANDARD. CERTIFIED
23-Oct-09	23-Oct-09	RJP (22428)	CERTIFIED.
06-May-09	06-May-09	RJP (22428)	FIRMWARE/SOFTWARE UPGRADE. CERTIFIED.
12-Dec-08	12-Dec-08	RJP (22428)	CERTIFIED.
10-Nov-08	10-Nov-08	NMJ (22392)	CALIBRATED, CERTIFIED AND ACCEPTED.

INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number 010528 Worksheet Start Date 9/12/2013
 Location Virginia Peninsula Regional Jail
 Address 9320 Merrimac Trail Williamsburg VA 23185
 DFS Technician Donald Hall License No. 21250

☐ Laboratory

☒ On-Site

Site Specifications

	Yes	No
1 Secured Environment: Location must not be accessible to the general public.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2 Environment free from contaminants	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3 Dedicated telephone line: The phone line should be used solely by the instrument.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4 Adequate Ventilation: Enough space must be provided for the instrument and the printer to allow for adequate ventilation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5 Stable temperature controls: The instrument should not be exposed to direct sources of temperature variation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 115VAC power source: Whenever possible instrument power circuit should not be shared with refrigerators, copy machines or other high amperage devices.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7 Room Condition: The site should be free of excessive moisture, heat and dust.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

1 Secured Environment:

Location must not be accessible to the general public.

☒
☐

2 Environment free from contaminants

☒
☐

3 Dedicated telephone line:

The phone line should be used solely by the instrument.

☒
☐

4 Adequate Ventilation:

Enough space must be provided for the instrument and the printer to allow for adequate ventilation.

☒
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5 Stable temperature controls:

The instrument should not be exposed to direct sources of temperature variation.

☒
☐

6 115VAC power source:

Whenever possible instrument power circuit should not be shared with refrigerators, copy machines or other high amperage devices.

☒
☐

7 Room Condition:

The site should be free of excessive moisture, heat and dust.

☒
☐

	Old serial no.	New serial no.	Supplies
E-Seek			Mouthpieces 300
Keyboard			Certificates of Analysis 300
Printer			Operator Worksheet 300
UPS			Other:

Maintenance (if any)

Firmware/software upgrade.

Comments (if any)

Instrument Serial Number 010528

Certification Date 9/12/2013

Instrument Barometer (mm HG) 758

Reference Barometer (mm HG) 760

Reference Barometer(RB)Serial # 009110

RB Calibration Due 5/30/2014

not 9/14/13

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.248
0.250	0.249	0.241	0.256	Sample 2	0.247
Precision		sample min	sample max	Sample 3	0.247
0.001		0.247	0.248		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.149
0.150	0.149	0.144	0.153	Sample 2	0.149
Precision		sample min	sample max	Sample 3	0.149
0		0.149	0.149		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.080
0.080	0.080	0.077	0.083	Sample 2	0.080
Precision		sample min	sample max	Sample 3	0.080
0		0.080	0.080		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.019
0.020	0.020	0.017	0.023	Sample 2	0.019
Precision		sample min	sample max	Sample 3	0.019
0		0.019	0.019		

all measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

☒ Calibrated☒ Certified☒ Replaced dry gas standard (+O-ring)

Dry gas standard Lot No. (with tank no.)

AG316301-25

☒ Measurement Assurance Check☒ Run a Breath Test (Instrument Test)

(successful completion denotes satisfactory condition of the item)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.099
0.100	0.100	0.097	0.103	Sample 2	0.099
Precision		sample min	sample max	Sample 3	0.099
0		0.099	0.099		

DFS Technician

Jacob B Hall

Date

9/13/13

Issuing Analyst

Melissa Kennedy

Date

9/14/13

Intox EC/IR II QA Worksheet

Issued by Calibration and Training Program Manager

Issue Date: 4-March-2013

DFS Document 250-F113

Revision 6

Page 2 of 2



COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED	NAME OF COURT
INSTRUMENT, TEST,	DFS

BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY		AGENCY
HALL, DONALD, B		DFS Central Lab
DFS LICENSE NUMBER	LICENSE EXPIRES	DATE TEST CONDUCTED
21250	10/01/2014	09/12/2013
TEST EQUIPMENT NUMBER		
010528		

RESULTS: TIME SAMPLE TAKEN 11:10 EDT

SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20 _____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____
OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 13 Sep 2013 at 08:48

DBH
WJK

Test Results

Instrument Serial Number 010528

Test # 000778 Subject Test

Test Location 1 Department of
Test Date 12 Sep 2013

Test Location 2 Forensic Science
Test Time 11:05
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name HALL
Agency DFS Central Lab

Operator's First Name DONALD

Operator's Middle Initial B

Card Serial Number 121250

License Number 21250

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 12 Sep 2013 End Time 11:12

Result Time 11:10

Result Date 12 Sep 2013 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 11:05

Data Type BLK

Sample Value 0.000

Sample Time 11:06

Data Type CHK

Sample Value 0.099

Sample Time 11:06

Data Type BLK

Sample Value 0.000

Sample Time 11:07

Data Type SUBJ

Sample Value 0.000

Sample Time 11:08

Data Type BLK

Sample Value 0.000

Sample Time 11:09

Data Type SUBJ

Sample Value 0.000

Sample Time 11:10

Data Type BLK

Sample Value 0.000

Sample Time 11:11

Standard Type Dry Gas Std

Standard Value 0.100

Standard Lot Number AG204704-26

Standard Expiration Date 02/16/2014

Tank Pressure 664

Barometric Pressure 758 mmHg

Blow Sample Number 1 Blow Duration 3.14 sec

Blow Volume 1825 cc End-of-Blow Time 11:08

Blow Sample Number 2 Blow Duration 3.74 sec

Blow Volume 2041 cc End-of-Blow Time 11:10

Tamper Evident Stamp fe14f891

Test Status Code 0

Test Status Success

DBH

WKL

Intox EC/IR-II: Software Version

Department of Forensic Science

Serial Number: 010528

System Date: 09/12/2013

System Time: 11:45 EDT

Software Version: VS00333-K

Software CRC: 56745BCA

Firmware Version: VS00171-CL

Firmware CRC: 7107756B

Intox EC/IR-II: Calibration

Department of Forensic Science

Serial Number: 010528 Test Number: 779

Test Date: 09/12/2013 Test Time: 11:48 EDT

Dry Gas Target: 0.100

Lot Number: 0651210013-05 Exp Date: 04/01/2014

Tank Pressure: 438 psi Barometric Pressure: 757 mmHg

System Check: Passed

Test	q/210L	Time
BLK	0.000	11:49
CAL	0.100	11:50

Test Status: Success

Calibration CRC: 2B7C5C5E

DBH

WHL

DBH

WML

Intox EC/IR-11: Certification

Department of Forensic Science

Serial Number: 010528 Test Number: 780

Test Date: 09/12/2013 Test Time: 11:53 EDT

Technician Initials: DBH

Dry Gas Target: 0.249

Lot Number: 2961225012-10 Exp Date: 11/01/2014

Tank Pressure: 311 psi Barometric Pressure: 757 mmHg

System Check: Passed

Test	q/210L	Time
DIAG	Pass	11:54
BLK	0.000	11:55
CHK	0.248	11:55
BLK	0.000	11:57
CHK	0.247	11:58
BLK	0.000	11:59
CHK	0.247	12:00
BLK	0.000	12:01

Success

Standard Value (at sea level): 0.250 q/210L

Certification Status: Continued

Intox EC/IR-11: Certification

Department of Forensic Science

Serial Number: 010528 Test Number: 781
Test Date: 09/12/2013 Test Time: 12:04 EDT

Technician Initials: DBH

Dry Gas Target: 0.149

Lot Number: 06512150I4-07 Exp Date: 04/01/2014

Tank Pressure: 95 psi Barometric Pressure: 757 mmHg

System Check: Passed

Test	q/210L	Time
DIAG	Pass	12:04
BLK	0.000	12:05
CHK	0.149	12:06
BLK	0.000	12:07
CHK	0.149	12:08
BLK	0.000	12:09
CHK	0.149	12:10
BLK	0.000	12:11

Success

Standard Value (at sea level): 0.150 q/210L

Certification Status: Continued

DBH

WLL

Intox EC/IR-11: Certification

Department of Forensic Science

Serial Number: 010528 Test Number: 782

Test Date: 09/12/2013 Test Time: 12:14 EDT

Technician Initials: DBH

Dry Gas Target: 0.080

Lot Number: 0651208012-03 Exp Date: 04/01/2014

Tank Pressure: 276 psi Barometric Pressure: 756 mmHg

System Check: Passed

Test	q/210L	Time
DIAG	Pass	12:14
BLK	0.000	12:15
CHK	0.080	12:16
BLK	0.000	12:17
CHK	0.080	12:18
BLK	0.000	12:19
CHK	0.080	12:20
BLK	0.000	12:21

Success

Standard Value (at sea level): 0.080 q/210L

Certification Status: Continued

Intox EC/IR-11: Certification

Department of Forensic Science

Serial Number: 010528 Test Number: 783

Test Date: 09/12/2013 Test Time: 12:23 EDT

Technician Initials: DBH

Dry Gas Target: 0.020

Lot Number: 0651202011-05 Exp Date: 04/01/2014

Tank Pressure: 169 psi Barometric Pressure: 756 mmHg

System Check: Passed

Test	q/210L	Time
DIAG	Pass	12:23
BLK	0.000	12:24
CHK	0.019	12:25
BLK	0.000	12:26
CHK	0.019	12:27
BLK	0.000	12:28
CHK	0.019	12:29
BLK	0.000	12:30

Success

Standard Value (at sea level): 0.020 q/210L

Certification Status: Success

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010528 Test Number: 784

Test Date: 09/12/2013 Test Time: 12:33 EDT

Dry Gas Target: 0.298

Lot Number: AG322702-04 Exp Date: 08/15/2015

Tank Pressure: 424 psi Barometric Pressure: 756 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	12:34
CHK	0.301	12:35
BLK	0.000	12:37
CHK	0.301	12:37
BLK	0.000	12:39
CHK	0.301	12:40

Test Status: Success

Calibration CRC: 2B7C5C5E

JBH

NSK

Intox EC/IR-11: Accuracy Check

Department of Forensic Science

Serial Number: 010528 Test Number: 785

Test Date: 09/12/2013 Test Time: 12:43 EDT

Dry Gas Target: 0.100

Lot Number: AG316301-25 Exp Date: 06/12/2015

Tank Pressure: 1125 psi Barometric Pressure: 756 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	12:44
CHK	0.099	12:45
BLK	0.000	12:46
CHK	0.099	12:47
BLK	0.000	12:48
CHK	0.099	12:49

Test Status: Success

Calibration CRC: 2B7C5C5E

DBH
nsk



COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED	NAME OF COURT
INSTRUMENT, TEST,	DFS

BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY		AGENCY
HALL, DONALD, B		DFS Central Lab
DFS LICENSE NUMBER	LICENSE EXPIRES	DATE TEST CONDUCTED
21250	10/01/2014	09/12/2013
TEST EQUIPMENT NUMBER		
010528		

RESULTS: TIME SAMPLE TAKEN 12:58 EDT

SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20_____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____ SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____ OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 13 Sep 2013 at 08:48

DBH

WJH

Test Results

Instrument Serial Number 010528

Test # 000786 Subject Test

Test Location 1 Department of
Test Date 12 Sep 2013

Test Location 2 Forensic Science
Test Time 12:52
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name HALL
Agency DFS Central Lab

Operator's First Name DONALD

Operator's Middle Initial B
License Number 21250

Card Serial Number 121250

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 12 Sep 2013 End Time 12:59

Result Time 12:58

Result Date 12 Sep 2013

Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 12:52

Data Type BLK

Sample Value 0.000

Sample Time 12:53

Data Type CHK

Sample Value 0.099

Sample Time 12:53

Data Type BLK

Sample Value 0.000

Sample Time 12:55

Data Type SUBJ

Sample Value 0.000

Sample Time 12:56

Data Type BLK

Sample Value 0.000

Sample Time 12:57

Data Type SUBJ

Sample Value 0.000

Sample Time 12:58

Data Type BLK

Sample Value 0.000

Sample Time 12:59

Standard Type Dry Gas Std

Standard Value 0.100

Standard Lot Number AG316301-25

Standard Expiration Date 06/12/2015

Tank Pressure 1125

Barometric Pressure 756 mmHg

Blow Sample Number 1 Blow Duration 3.91 sec

Blow Volume 1799 cc End-of-Blow Time 12:56

Blow Sample Number 2 Blow Duration 3.65 sec

Blow Volume 1814 cc End-of-Blow Time 12:58

Tamper Evident Stamp 201e5d6e

Test Status Code 0

Test Status Success